PENTA

Where Innovation Meets Quality

Ultra-A8

Mobile Computer

Ultralight - Energy Efficient - Robust - Maintenance-free

New Standards in the mobile Computing technology

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Description / Applications

Features :

- Portable, light and fully-fledged Tablet - Computer with complete closed housing (IP65)
- Washable, fan less, fail-safe and maintenance-free
- Durable and error-free even under critical environmental conditions
- Daylight suitable, super bright and highly intense Display
- Anti reflection display coating and automatic brightness adjustment guarantees a perfect reading precision
- Fast data input via free adjustable function keys as well as optional touch screen
- Integrated Wireless-LAN, Bluetooth, USB, Ethernet and also a cameramodule (option)
- USB client connector for easy connection to other PCs
- Various input – and reader devices (Legic, RFID etc.) and Scanner are connectable
- Passive cooling concept without ventilation-slit and without fan
- Slim housing with especially plain surface, protected all around
- Easy and comfortable to carry

Applications:

- Mobile Data acquisition, -allocation, -output
- Frontend for e.g. mobile Service at wide Areas, Cargo- and Airports, Ambulances and Medicopters
- Cargo- / Baggage and Logistics (e.g. Transit) and Security (e.g. Police, Medical and Fire-Department scheduling)
- Navigation- and Pick-up-Systems
- Routes- and process monitoring
- Communication of mobile Forces with their Control Center

Options for Ultra-8 Mobile Computer :

- Different Mountings (e.g. car)
- GPS, GSM/GPRS, 3G+ (HSDPA), Wi-Max, UMTS, EDGE, WCDMA, RFID
- Scanner and Readers (Barcode, Legic, Mifare)
- Option : Cameramodule
- Dockingstation

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Technical Data Ultra-A8 Series

Systemdata :

CPU	Intel ® ATOM , Z530 @ 1,6GHz
Chipset	SCH US 15W
Cache	512kb L2
RAM	1 GB DDR2
Graphik Controller	Intel GMA500
Video RAM	256 MB
Video Decoder	MPEG2, MPEG4, H.264, WMV9/VC1
Storage Media	up to 64GB industrial grade CF-card via CF-socket, 8 GB onboard C-Fast (bootable)
BIOS Characteristics	OEM-Logo, OEM BIOS default settings
Display Size	8,4", sunlight readable, active TFT with LED backlight
Display Resolution	800 x 600
Weight	appr. 1,3 kg

Interfaces :

Touch	Analogue Resistive Touch Technology
USB	2x USB2.0, 1x USB client (easy connection to other PCs)
Power Supply	Battery with up to 5 h power on, wide range DC input (19 V)
Ethernet	RJ45 Gigabit Ethernet
Extension connector	1x top, 1x bottom side each with USB interface
Mini PCIexpress slot	PCIexpress x1 and USB2.0
SD-Card- Slot	for SD storage media
WLAN	802.11 g/n
Bluetooth	V2.0 + EDR class 2
Mic-In /Line Out	e.g. for Headset
HDMI	with DVI signals for external monitor or beamer

Operating Systems :

Windows	Windows XP, Windows XP Tablet Edition, XP embedded
RTOS	VX-Works, QNX

Environment conditions :

Operating-Temperature	0°C to + 50°C
Storage-Temperatur	- 10°C to + 60°C
Humidity (Operating)	10% to 90% relative humidity (not condensing)
Humidity (Storage)	5% to 95% relative humidity (not condensing)

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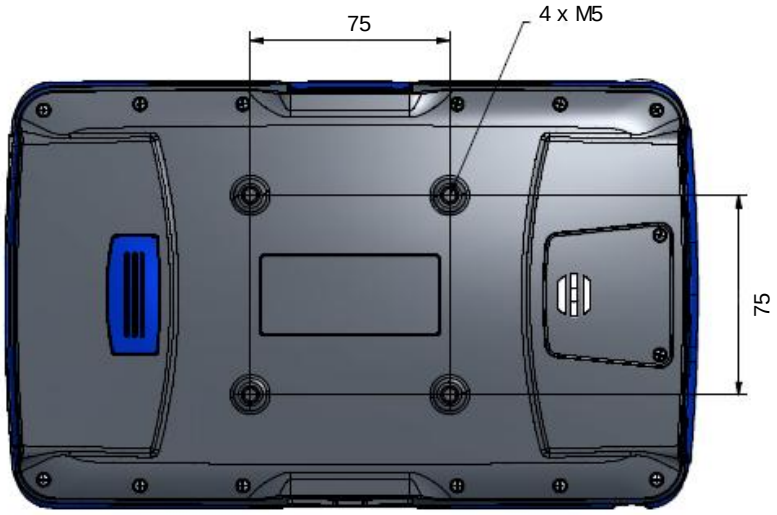
Sizes Ultra-A8 Series



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